

GILA RIVER BASIN

09507500 FOSSIL CREEK DIVERSIONS TO CHILDS POWERPLANT, NEAR CAMP VERDE, AZ

LOCATION--Lat 34°22'06", long 111°39'56", in NE_{1/4}SW_{1/4} sec. 20, T.11 N., R.7 E. (unsurveyed), Yavapai County, Hydrologic Unit 15060203, at head of Stehr Lake, 2.3 mi northeast of Childs powerplant, 4.4 mi by flume downstream from Irving powerplant, and 17 mi southeast of Camp Verde.

PERIOD OF RECORD--Jan. 1952 to current year.

GAGE--Water-stage recorder and weir in concrete flume. Datum of gage is 3,716.2 ft above sea level.

REMARKS--Records good. Record is obtained at the head of Stehr Lake, a regulatory basin, and shows the water used by Childs powerplant. Most of the flow originates at Fossil Springs, which are fairly constant. Diversion is made from Fossil Creek 8 mi upstream from this station and is first used by Irving powerplant. A second diversion from Fossil Creek enters the flume below Irving powerplant. Based on estimates and records for previous years, the flow through the Irving powerplant is estimated to be about 99 percent of the record published herewith.

EXTREMES FOR PERIOD OF RECORD--Maximum daily discharge, 58 ft³/s Aug. 1 and 2, 1982; no flow at times in most years.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	35	36	38	39	37	36	38	38	39	39	38
2	35	35	36	38	39	37	37	38	38	39	39	38
3	35	35	32	38	38	38	37	38	39	39	39	38
4	35	35	37	38	38	38	37	39	39	39	39	38
5	35	35	38	38	38	38	37	39	39	39	38	38
6	36	35	38	38	38	37	37	39	39	39	38	38
7	36	35	38	37	38	36	37	39	39	39	38	38
8	36	35	38	38	38	37	37	39	39	39	38	38
9	36	35	38	38	38	36	37	39	39	39	38	38
10	36	34	38	38	38	37	37	39	39	39	38	38
11	36	35	38	38	38	37	37	39	37	39	38	38
12	35	36	38	37	38	37	38	39	36	39	38	38
13	36	36	38	38	38	37	37	39	37	39	38	38
14	36	36	38	38	36	38	37	39	38	39	38	38
15	36	35	38	38	36	37	37	39	38	39	38	38
16	36	36	38	38	37	36	36	38	39	39	38	38
17	35	36	38	38	37	35	37	38	39	39	38	38
18	36	36	38	38	36	34	38	38	39	39	38	38
19	35	36	38	38	35	34	39	38	40	38	38	38
20	36	36	38	38	34	34	38	38	40	39	38	38
21	36	36	38	38	34	35	38	38	40	39	38	38
22	36	36	38	38	35	35	38	38	39	39	38	38
23	36	36	38	38	35	35	38	38	39	39	38	38
24	36	36	38	38	37	36	38	38	39	39	38	37
25	36	36	38	38	38	36	38	38	39	39	38	36
26	35	36	37	38	38	36	38	38	39	39	38	36
27	34	36	37	38	37	36	38	38	39	39	38	36
28	34	36	38	38	37	36	38	38	39	39	38	36
29	34	36	38	38	---	36	38	38	39	39	38	36
30	34	36	38	38	39	---	36	38	37	39	38	36
31	34	---	38	39	---	36	---	38	---	39	38	---
TOTAL	1092	1067	1165	1178	1038	1123	1123	1189	1162	1208	1182	1127
MEAN	35.2	35.6	37.6	38.0	37.1	36.2	37.4	38.4	38.7	39.0	38.1	37.6
MAX	36	36	38	39	39	38	39	39	40	39	39	38
MIN	30	34	32	37	34	34	36	37	36	38	38	36
MED	36	36	38	38	38	38	36	37	38	39	38	38
AC-FT	2170	2120	2310	2340	2060	2230	2230	2360	2300	2400	2340	2240

CAL YR 2002	TOTAL 13827	MEAN 37.9	MAX 41	MIN 19	MED 38	AC-FT 27430
WTR YR 2003	TOTAL 13654	MEAN 37.4	MAX 40	MIN 30	MED 38	AC-FT 27080